



## Specifications

<b>SHADES</b>	9mm thick Sola Felt is a PET material, manufactured with 50% post-consumer recycled content. Sola Felt is a LBC Red List Free labeled product, eligible for LEED, Living Building Challenge, and other green building certification credits.	<b>DRIVERS</b>	120-277V constant current, dimming driver standard. Can be wired dimming or non-dimming. 0-10v dimming input with a range of 1%-100%. Driver can be accessed from the fixture. Power factor of > .95. Total Harmonic Distortion (THD) of < 20%.
<b>LIGHTING</b>	Integrated LED light source offering high lumen output and efficacy. Color consistency of 3 SDCM. See additional information summarizing lumen distribution, wattage, and efficacy on following pages. Tunable white and RGB options available.	<b>CERTIFICATION</b>	Luminaire is CSA listed conforming to UL Standard 1598 in the U.S. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal driver disconnect. Damp Location Rated. All electronic components are RoHS compliant, and the mechanical components of the luminaire have been verified to meet RoHS Directive 2002/95/EC.
<b>LUMEN MAINTENANCE</b>	Reported TM-21 Lifetimes L90(17k) = 52,600 hours L80(17k) > 102,000 hours L90(17k) > 102,000 hours	<b>CLEANING &amp; CARE</b>	The best way to remove airborne debris and dust from shades is to periodically vacuum. A Swiffer sheet or feathered duster can also be used for light dusting. To treat liquid stains, remove spills immediately with a clean damp cotton cloth or with detergent soap and warm water. Carpet and fabric cleaners can usually be used. Always test an inconspicuous area before applying cleaners to the actual stain.
<b>DIFFUSION</b>	Frosted optical diffuser produces even illumination.		
<b>ELECTRICAL</b>	Emergency battery output: 10 watts for 90 minutes. Maximum Mounting height: 14ft. Compatible with Signify Bodine sinusoidal output emergency lighting inverters. Signify Bodine inverters allow designated lighting fixtures to serve as code compliant emergency lighting sources during failure of normal AC power. For additional information see link: <a href="http://www.bodine.com/products/inverter.html">http://www.bodine.com/products/inverter.html</a>		Center beam designed to withstand the demands of rigorous cleaning requirements — use common disinfectants and cleaners to reduce microbe transmission.
<b>MOUNTING</b>	Adjustable stainless steel aircraft cable, contact studio for lengths over 20'	<b>WARRANTY</b>	5 year warranty on all standard components.



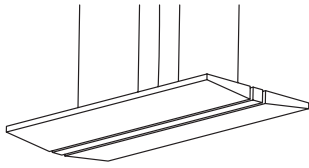
# Acoustic Wing

## Fixture Options

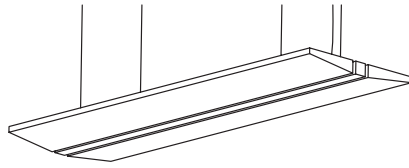
ACOUSTIC COLLECTION

### DIMENSIONS

#### 2.25" SQ BEAM

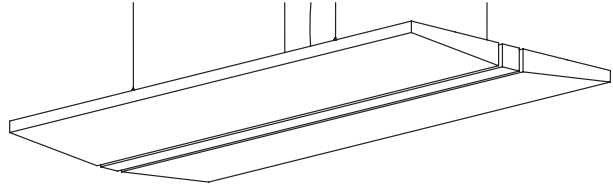


48" L x 24" W x 2.25" H



72" L x 24" W x 2.25" H

#### 4" SQ BEAM



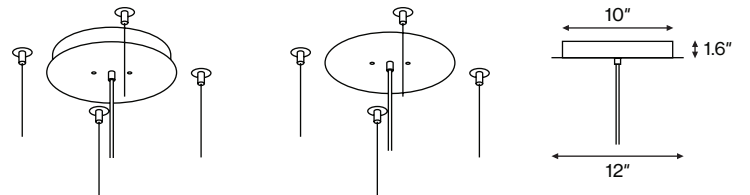
96" L x 48" W x 4" H

### FELT COLOR OPTIONS



### CEILING CONNECTION

#### OFFSET JUNCTION BOX

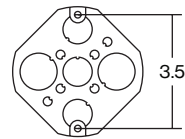


SURFACE MOUNTED

RECESSED\*

For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5"

#### 4" OCTAGONAL JUNCTION BOX\* (BY OTHERS)

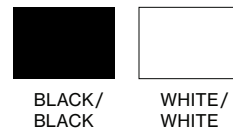


\*Required for powered units; junction box mount optional for unlit units

### END CAP OPTIONS



### CANOPY / DRESS PLATE FINISH OPTIONS



**Declare.**

Sola Felt, Clario, Hush Clad, and Tetria Acoustic Solutions 3form

Final Assembly: Salt Lake City, Utah, USA  
 Life Expectancy: 20 Years  
 End of Life Options: Salvageable/Reusable in its Entirety, Take Back Program (Declara, Salt Lake City, Utah)  
 EU CoC Screened: Does Not Contain

Ingredients:  
 poly(ethylene terephthalate), 3-(hydroxyphenyl)phosphorylpropanoic acid, Titanium dioxide, Carbon black, Spinning Finish

Living Building Challenge Criteria: Compliant

LEED Red List:  
 ■ LBC Red List Free % Disclosed: 100% at 100ppm  
 □ LBC Red List Approved VOC Content: Not Applicable  
 □ Declared

ISO Interior Performance: CDPH Standard Method v1.2010  
 ISO Responsible Sourcing: Not Applicable

TPH-0001  
 EXPIRES: 01 OCT 2022  
 SCREENED: 21 SEP 2021  
 Original Issue Date: 2018

INTERNATIONAL LIVING FUTURE INSTITUTE™ [livingfuture.org/declare](http://livingfuture.org/declare)

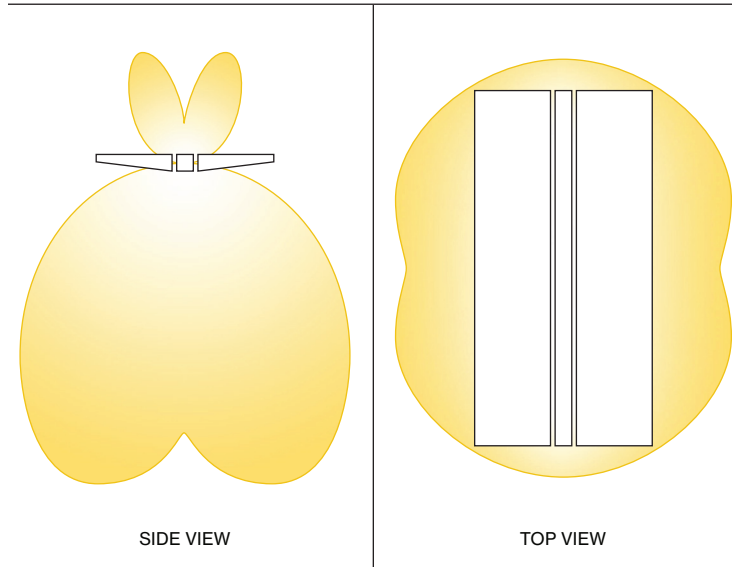


# Acoustic Wing Lighting Details

ACOUSTIC COLLECTION

## LIGHT DISTRIBUTION OPTIONS

Consult factory or [lightart.com](http://lightart.com) for IES files, tested in accordance with IESNA LM79



## LIGHT DISTRIBUTION

Based on measurement data

COLOR TEMPERATURE / CRI	MULTIPLIER
2700K / 80	0.98
2700K / 90	0.93
3000K / 80	1.02
3000K / 90	0.97
3500K / 80	1.00
3500K / 90	1.00
4000K / 80	1.08
4000K / 90	1.03

## OUTPUT MULTIPLIERS INSTRUCTIONS

Adjusted Value =  $L_1 \times C_m$  where:

$L_1 = (\text{Lumen output at 3500K / 90 CRI}) \times$

$C_m = (\text{Color Temp. / CRI Multiplier}) \times$

Example:

850LM / 3000K / 90CRI

$(850) \times (0.97) = 825\text{LM}$

## PERFORMANCE – 48" L WING

Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM/FT)	INPUT POWER (W/FT)	EFFICACY (LM/W)
200	9.8	90.4
350	17.6	90.4
450	21.6	90.3
550	25.5	90.4
650	29.2	90.5
750	33.5	90.3
825	37.5	90.4
925	41	90.3

## PERFORMANCE – 72" L WING

Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM/FT)	INPUT POWER (W/FT)	EFFICACY (LM/W)
200	14.6	90.7
350	26.4	90.7
450	32.3	90.7
550	38.2	90.7
650	44.2	90.7
750	50.2	90.7
825	56.2	90.7
925	62.2	90.7

## PERFORMANCE – 96" L WING

Based on 3500K / 90CRI / Standard Distribution

NOMINAL LUMEN OUTPUT (LM/FT)	INPUT POWER (W/FT)	EFFICACY (LM/W)
200	17.1	91.6
350	31.6	91.6
450	39.1	91.6
550	46.8	91.6
650	54.6	91.9
750	63	91.6
825	71.4	91.6
925	80	91.6



# Acoustic Wing

## Acoustic Details

ACOUSTIC COLLECTION

**SABINS PER FIXTURE** Equivalent square feet of perfect absorption

CENTER FREQUENCY (HZ)	96-48-4 WING
100	25.22
125	31.82
160	28.17
200	33.34
250	35.58
315	35.55
400	38.26
500	45.68
630	45.90
800	50.15
1000	52.68
1250	55.63
1600	55.25
2000	55.46
2500	56.09
3150	56.41
4000	57.92
5000	58.33
AVERAGE OF 250, 500, 1000, 2000	7.83
EFFECTIVE NRC*	1.30
EQUIVALENT SQ FT OF ACT (NRC 0.90)	51.80
EQUIVALENT SQ FT OF ACT (NRC 0.70)	66.60

Measured using 96" x 48" x 4" sized Acoustic Wing.

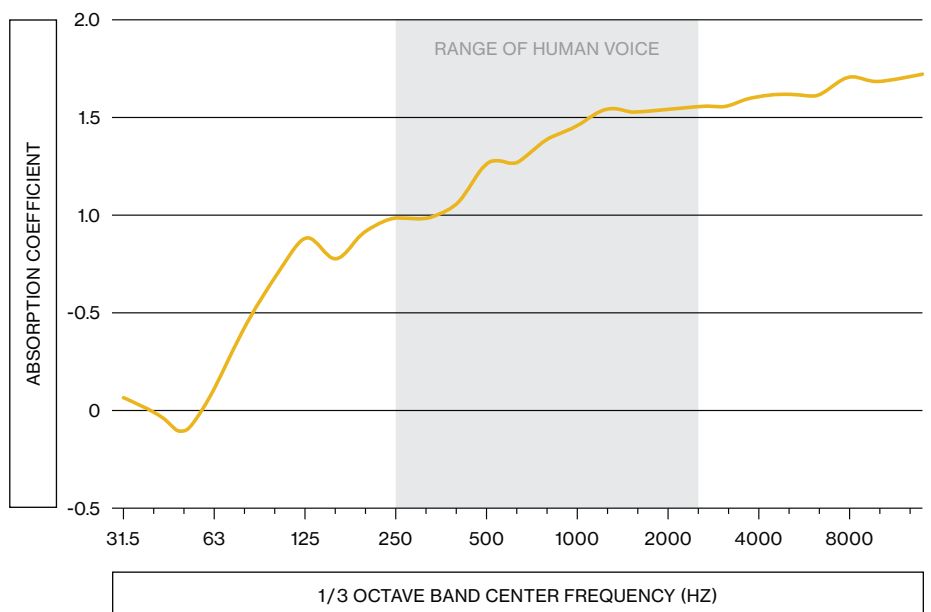
## Absorption

NRC per Fixture: 1.30  
Average of values taken at 250, 500, 1000, and 2000 Hz

The NRC of felt depends on its configuration. LightArt fixtures utilize deep airspaces and multiple layers to keep NRC ratings high for all exposed felt surfaces.

The acoustic testing of Acoustic Wing was conducted at NVLAP accredited laboratories and meets ISO 354 and ASTM C423. Formal test reports are available upon request.

— 96-48-4 ACOUSTIC WING



align Declare.



# Acoustic Wing

## Part Number Specification

ACOUSTIC COLLECTION

### SPECIFICATION CODE

Example: 2 QTY ACC-SHPE-WING-96L-CA-WPE-830CK-550LM-P01-STD-WPC-WH

QTY.  ACC-SHPE-WING----------

1
2
3
4
5
6
7
8
9

Complete form to order Wing fixture(s). For each number, make one selection and enter in the corresponding box above.

\*Indicates modified choices; additional lead times and/or costs may apply.

### 1 SIZE (Nominal)

- 48L 48" L x 24" W x 2.25" H
- 72L 72" L x 24" W x 2.25" H
- 96L 96" L x 48" W x 4" H

### 2 SHADE FELT COLOR

- |                              |                                    |                              |                                    |                              |                                  |
|------------------------------|------------------------------------|------------------------------|------------------------------------|------------------------------|----------------------------------|
| <input type="checkbox"/> EB  | <input type="checkbox"/> EBONY     | <input type="checkbox"/> EM  | <input type="checkbox"/> EMERALD   | <input type="checkbox"/> SF  | <input type="checkbox"/> SAFFRON |
| <input type="checkbox"/> NF  | <input type="checkbox"/> NIGHTFALL | <input type="checkbox"/> AD  | <input type="checkbox"/> ADMIRAL   | <input type="checkbox"/> JP  | <input type="checkbox"/> JASPER  |
| <input type="checkbox"/> CA  | <input type="checkbox"/> CAST      | <input type="checkbox"/> DK  | <input type="checkbox"/> DUSK      | <input type="checkbox"/> AS  | <input type="checkbox"/> ARIES   |
| <input type="checkbox"/> ML  | <input type="checkbox"/> MINERAL   | <input type="checkbox"/> STB | <input type="checkbox"/> STEELBLUE | <input type="checkbox"/> OCH | <input type="checkbox"/> OCHRE   |
| <input type="checkbox"/> STL | <input type="checkbox"/> STEEL     | <input type="checkbox"/> PT  | <input type="checkbox"/> PLATINUM  | <input type="checkbox"/> MU  | <input type="checkbox"/> MUSTARD |
| <input type="checkbox"/> AR  | <input type="checkbox"/> ARMOR     | <input type="checkbox"/> SLT | <input type="checkbox"/> SILT      | <input type="checkbox"/> CT  | <input type="checkbox"/> CITRINE |
| <input type="checkbox"/> NI  | <input type="checkbox"/> NICKEL    | <input type="checkbox"/> DW  | <input type="checkbox"/> DRIFTWOOD |                              |                                  |
| <input type="checkbox"/> ZN  | <input type="checkbox"/> ZINC      | <input type="checkbox"/> DN  | <input type="checkbox"/> DUNE      |                              |                                  |

### 3 ENDCAP

- FELT  FELT SHADE COLOR  
*Endcap will match shade material color*
- WOE  WHITE OAK WOOD
- WPE  WHITE POWDER COAT
- BPE  BLACK POWDER COAT

### 4 LED CRI / CCT

- 827CK 80 CRI / 2700K
- 830CK 80 CRI / 3000K
- 835CK 80 CRI / 3500K
- 840CK 80 CRI / 4000K
- 927CK 90 CRI / 2700K
- 930CK 90 CRI / 3000K
- 935CK 90 CRI / 3500K
- 940CK 90 CRI / 4000K
- TW TUNABLE WHITE
- RGB RGB

### 5 OUTPUT

- 200LM 200 LM/FT TW available in all lengths
- 350LM 350 LM/FT TW available in all lengths
- 450LM 450 LM/FT TW available in all lengths
- 550LM 550 LM/FT TW available in all lengths
- 650LM 650 LM/FT TW available in 48L, 72L
- 750LM 750 LM/FT TW available in 48L, 72L
- 825LM 825 LM/FT TW available in 48L
- 925LM 925 LM/FT TW available in 48L
- RGBO RGB OUTPUT
- CU\* CUSTOM OUTPUT  
*Specify custom value from 200 to 925 lm/ft*

lm/ft

### 6 DIMMING AND CONTROLS

- P01 0-10V 1% DIMMING
- LEC\* HI-LUME 1% ECOSYSTEM LED DRIVER SOFT ON, FADE TO BLACK (LDE1 SERIES)
- EBM 0-10V 1% DIMMING INTEGRATED EM BATTERY OPTION  
*Max lumen output limited—consult LightArt. Not available with Tunable White or RGB.*
- DMX RGB CONTROL
- DALI DALI CONTROL

### 7 SUSPENSION

- STD 12" - 96"
- EXT\* 12" - 240"

### 8 CANOPY OPTIONS

- WPC WHITE
- BPC BLACK
- RWPC RECESSED WHITE
- RBPC RECESSED BLACK

### 9 POWER CORD

- WH WHITE
- BK BLACK

\*Indicates modified choices; additional lead times and/or costs may apply.

